

## PORON® AquaPro™ Family: Formulation 37 - Supported

### Product Data Sheet

PHYSICAL PROPERTY	TEST METHOD	TYPICAL VALUE
Density, kg / m <sup>3</sup> (lb. / ft <sup>3</sup> )	ASTM D 3574, Test A	304 (19)
Tolerance, kg / m <sup>3</sup> (lb. / ft <sup>3</sup> )		± 32 (2)
Thickness, mm (in)	ASTM D 3574, Test A	0.50 – 1.0 (0.020 – 0.039)
Tolerance		± 0.10 (.0039)
Compression Force Deflection, kPa	Modified ASTM D 3574: PTP-0033 at 25% deflection	41 – 110
(psi)		(6 – 16)
Compression Set, % max. after 24 hour recovery	ASTM D 3574 Test D @ 70°C (158°F)	10
Standard Color (Code)		Black (04)
Recommended Constant Use, Max	SAE J-2236	90°C (194°F)
Recommended Intermittent Use, Max	UL 57	121°C (250°F)
OUTGASSING		
Fogging	SAE J-1756 3 hrs @ 100°C (212°F)	No Fogging
Outgassing, Total Mass Loss (TML) %		0.58
Collected Volatile Condensable Materials (CVCM) %	ASTM E 595	0.02
Water Vapor Regain (WVR) %	24 hrs @ 125°C (257°F) @ <7x10 <sup>3</sup> Pa	0.09
ENVIRONMENTAL		
Moisture Absorption, High Humidity Exposure, % weight	AMS 3568	1.1
Water Immersion, %	ASTM D570	2.84
Water Absorption, Vacuum Exposure, % weight gain	ASTM D 1056	0.94
	ASTM 3568B	0.33

PORON Polyurethane Foams are supported by being directly cast onto 2 mil polyester film. By casting directly onto the film, a permanent bond is created. Please see physical property data below for the film as represented by the manufacturer.

### Supporting Material – Clear Polyester Film (PET)

PROPERTY	TEST METHOD	VALUE
<b>Density</b> , kg/m <sup>3</sup> (lb/ft <sup>3</sup> )	ASTM D 1505	1395 (87.09)
<b>Yield Strength (F5), MD</b> , MPa (psi)	ASTM D 882	103 (14,900)
<b>Tensile Strength, MD</b> , MPa (psi)	ASTM D 882	150 - 173 (21,755 – 25200)
<b>Modulus, MD</b> , MPa (psi)	ASTM D 882	3000 – 4628 (435,113 – 671,300)
<b>Ultimate Modulus, MD</b> , %	ASTM D 882	80 – 175
<b>Shrinkage, MD / TD</b> , (%)	30 min. at 150°C	0.5 – 1.1 / 0.4 – 0.5
<b>Coefficient of Friction A/B, (Kinetic)</b>	ASTM D 1894	0.3 – 0.5

- All metric conversions are approximate.
- Additional technical information is available.
- Values should not be used for specification limit

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